

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,238,842 B2
APPLICATION NO. : 10/768976
DATED : July 3, 2007
INVENTOR(S) : Keith V. Wood et al.

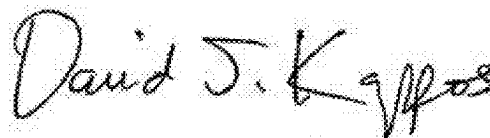
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14, lines 15-26 should read, --Figure 20 illustrates a reaction scheme for a serine beta-lactamase. The reaction begins with the formation of a precovalent encounter complex (FIG. 20A), and moves through a high-energy acylation tetrahedral intermediate (FIG. 20B) to form a transiently stable acyl-enzyme intermediate, forming an ester through the catalytic residue Ser70 (FIG. 20C). Subsequently, the acyl-enzyme is attacked by hydrolytic water (FIG. 20D) to form a high-energy deacylation intermediate (FIG. 20E) (Minasov et al., 2002), which collapses to form the hydrolyzed product (FIG. 20F). The product is then expelled, regenerating free enzyme.--

This certificate supersedes the Certificate of Correction issued April 19, 2011.

Signed and Sealed this
Thirty-first Day of May, 2011

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D".

David J. Kappos
Director of the United States Patent and Trademark Office